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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/626,940	07/25/2003	Gautam G. Reddy	I-2-0370.1US	3781

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EXAMINER

AFSHAR, KAMRAN

ART UNIT	PAPER NUMBER
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2681

DATE MAILED: 03/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/626,940	Applicant(s) REDDY, GAUTAM G.	
	Examiner Kamran Afshar, 703-305-7373	Art Unit 2681	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9-36 is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>7/16/2004</u> & <u>6/14/04</u> | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Blight (U.S. Pub. No.: 2002/0184418 A1).

With respect to claim 1, Blight discloses a mobile communications system, in which a core network (See e.g. 200, 220 of Fig. 2) provides wireless service to a plurality of mobile units (See e.g. 210, 240, 260 of Fig. 2), and at least one local network provides communication with ones of the mobile units (See e.g. Abstract, Page 1, Paragraphs [0001]-[0002], LANs and PANs), the system comprising: a database, accessible by the core network, which includes data concerning the local network provider and geographic coverage (See e.g. Coverage zones, User's Zone, (See e.g. Page 1, Paragraph [0018]) of the local network provider (See e.g. 270 of Fig. 2, Paragraph [0046]); and a position comparison device (See e.g. 270 of Fig. 2) to identify a position of at least one mobile unit and to correlate the geographic coverage with a position of the one mobile unit and provide information concerning the correlation to a user of the one mobile unit (See e.g. Zone information, Coverage zones, Page 1, Paragraph [0016]), the one mobile unit able to communicate with core network and one local network (See e.g. Zone information, Coverage zones, Page 1, Paragraph [0017] & For More Entire Document).

Regarding claim 2, Blight discloses the position identification function includes accepting signals from a GPS position locator associated with said one mobile unit (See e.g. Page 1, Paragraphs [0005]-[00011], Page 3, Paragraphs [0036]-[0048]).

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Regarding claim 3, Blight discloses the position identification function includes using network based location using signal calculations derived from communications with the one mobile unit (See e.g. Page 1, Paragraphs [0005]-[00011], Page 3, Paragraphs {0036}-[0048]).

Regarding claim 4, Blight discloses the position identification function includes at least one of AOA (angle of arrival), TDOA (time difference of arrival) or GPS (See e.g. Page 1, Paragraphs [0005]-[00011], Page 3, Paragraphs {0036}-[0048]).

Regarding claim 5, Blight discloses the position identification function is provided by a hybrid system using GPS position locator associated with the one mobile unit, and network based location (See e.g. Page 1, Paragraphs [0005]-[00011], Page 3, Paragraphs {0036}-[0048]).

Regarding claim 6, Blight discloses the core network is a digital cellular communications network (See e.g. Page 2, Paragraph [0034]) capable of communicating with the mobile units and the local network is a WLAN capable of communicating with the mobile units (See e.g. Page 2, Paragraph [0033]).

Regarding claim 7, Blight discloses a circuit function whereby the WLAN interacts with the core network to provide the core network with data concerning at coverage of the WLAN in the core network and services offered by the WLAN to the mobile units (See e.g. Page 2, Paragraph [0034]).

Regarding claim 8, Blight discloses the WLAN interacts with the core network to provide the position of the mobile unit when served by the WLAN (See e.g. Page 2, Paragraph [0034]).

Allowable Subject Matter

3. Claims 9-36 are allowed.

The following is an examiner's statement of reasons for allowance: 9-36.

With respect to claim 9, Blight (U.S. Pub. No.: 2002/0184418 A1) is the closest prior art to the application invention, which discloses means for communicating between a WLAN and a cellular network; means for communicating between the mobile unit and the cellular network means for communicating between the mobile unit and the WLAN; means for determining the location of the mobile unit; means for determining the coverage area of the WLAN (See e.g. Abstract, Page 1, Paragraphs [0014]-[0018]).

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Jawanda (U.S. Patent 6,243,581 B1) discloses system for handover of a mobile unit between a cellular network and a wireless local area network (WLAN) (See e.g. Co. 2, Lines 38-47, Figs Flow chart of Fig. 4). However, the prior art of record fails to disclose or render obvious that means for informing the mobile unit of the existence of the WLAN when the mobile unit approaches the coverage area of the WLAN; and means for handing over the mobile unit between the cellular network and the WLAN when the mobile unit is in the corresponding coverage area.

With respect to claim 18, the prior art of record fails to disclose or render obvious that a handoff acceptance device for accepting a handing over of the WTRU from the cellular network to the local network after receiving the local network indicator information.

With respect to claim 27, the prior art of record fails to disclose or render obvious that informing the mobile unit of the existence of the WLAN when the mobile unit approaches the coverage area of the WLAN; and handing over the mobile unit between the cellular network and the WLAN when the mobile unit is in the corresponding coverage area.

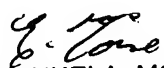
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Kamran Afshar whose telephone number is (703) 305-7373. The examiner can be reached on Monday-Friday.

If attempts to reach the examiner by the telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached @ (703) 306-0003. The fax number for the organization where this application or proceeding is assigned is (703) 872-9306 for all communications.

Kamran Afshar


EMMANUEL L. MOISE
PRIMARY EXAMINER